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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/549,341	11/17/2006	Leonid Kalika	340158010US1	6714

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PERKINS COIE LLP
PATENT-SEA
P.O. BOX 1247
SEATTLE, WA 98111-1247

EXAMINER

BEAMER, TEMICA M

ART UNIT	PAPER NUMBER
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2617

MAIL DATE	DELIVERY MODE
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04/02/2008

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/549,341

Applicant(s)

KALIKA ET AL.

Examiner

Temica M. Beamer

Art Unit

2617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 28 September 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-3, 5-22, 24 and 37-45 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-3 and 5-9 is/are allowed.
- 6) ☒ Claim(s) 10-22, 24 and 37-45 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- ☐ Notice of Informal Patent Application
- ☐ Other: _____

DETAILED ACTION

Allowable Subject Matter

1. The indicated allowability of claims 10-18 is withdrawn in view of the newly discovered reference(s) to Rappaport et al, U.S. Patent Pub. No. 2007/0117567.

Rejections based on the newly cited reference(s) follow.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 10-22, 24 and 37-45 are rejected under 35 U.S.C. 102(e) as being anticipated by Rappaport et al (Rappaport), U.S. Patent Pub. No. 2007/0117567.

Regarding claims 10 and 37, Rappaport discloses means for displaying a building layout into which the wireless local area network is to be installed (0039); means for displaying backhaul nodes for connecting the wireless local area network to an external wired network (0072, 0083, 0133); means for displaying multiple wireless access points, wherein the wireless access points are to be configured to exchange communications with the backhaul nodes (0121); and means for displaying additional information with

respect to at least some of the multiple wireless access points, wherein the additional information includes: wireless coverage area for a wireless access point, type of radio-frequency data link layer technology for a wireless access point, wireless bandwidth for a wireless access point, or received signal strength for a wireless access point (0109).

Regarding claims 11 and 38, Rappaport discloses means for displaying additional information includes displaying an estimated receive power with respect to a displayed wireless access point when a pointer is positioned near the displayed wireless access point (0109).

Regarding claims 12 and 39, Rappaprot discloses means for displaying additional information includes displaying color-coded wireless coverage patterns with respect to at least some of the wireless access points, wherein the color-coding corresponds to bandwidth, signal strength or both (0053, 0054, 0056).

Regarding claims 13 and 40, Rappaport discloses means for displaying additional information includes displaying wireless coverage area, type of radio-frequency data link layer technology, and bandwidth or signal strength for at least some of the wireless access points (0109).

Regarding claims 14 and 41, Rappaport discloses means for displaying additional information includes displaying with respect to at least a subset of the wireless access points a list of associated modules for each of the wireless modules in the subset, wherein at least some of the access points in the subset include two or more discrete yet interconnected modules (0010).

Regarding claims 15 and 42, Rappaport discloses means for displaying additional information includes displaying a list of total modules of different types associated with at least a subset of the wireless access points, wherein at least some of the access points include two or more discrete yet interconnected modules of different types (0118).

Regarding claims 16 and 43, Rappaport discloses means for displaying a building layout includes means for providing floor layout elements such as walls or electrical outlets (0039).

Regarding claims 17 and 44, Rappaport discloses means for displaying a building layout includes means for establishing fixed or preferred positions for wireless nodes or antennas within the building layout (0063).

Regarding claims 18 and 45, Rappaport discloses means for displaying a building layout includes means for establishing fixed or preferred areas within the building layout for wireless coverage by a type of radio-frequency data link layer technology (0046, 0047, 0063).

Regarding claim 19, Rappaport discloses a computer-readable medium encoded with computer executable instructions to cause at least one telecommunication node to perform a method of displaying node layout information with respect to a wireless local area network (abstract), the method comprising: receiving parameters regarding the wireless local area network, wherein the parameters include a layout of a space in which the wireless local area network is to be located, and a number of wireless access points, a number of users, or a wireless data throughput; generating an optimized layout

of multiple wireless access points within the space layout under an iterative optimization algorithm, wherein the optimized layout of wireless access points within the space layout, at least in part, takes into account the received parameters; and displaying the optimized layout of multiple wireless access points within the space layout, wherein the displayed optimized layout includes: locations of the multiple wireless access points within the space layout, and additional information with respect to at least some of the multiple wireless access points, wherein the additional information includes wireless coverage area, type of radio-frequency data link layer technology, bandwidth, or power (0039, 0053-0056, 0062, 0063).

Regarding claims 20-22 and 24, Rappaport reads on these limitations as evidenced by the fact the system is computerized (abstract, 0010).

Allowable Subject Matter

4. Claims 1-3 and 5-9 are allowed.

Conclusion

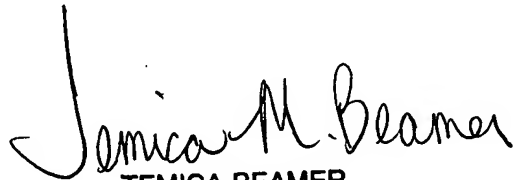
5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to TEMICA M. BEAMER whose telephone number is (571)272-7797. The examiner can normally be reached on Monday-Thursday (alternate Fridays) 9:00am-5:00pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Appiah can be reached on (571) 272-7904. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

tmb


TEMICA BEAMER
PRIMARY EXAMINER